

**MASTER OF SCIENCE (DIETETICS AND
FOOD SERVICE MANAGEMENT)**

Term-End Examination

December, 2016

MFN-006 : PUBLIC NUTRITION

Time : 3 hours

Maximum Marks : 100

- Note :** (i) *Answer five questions in all.*
(ii) *Question No. 1 is compulsory.*
(iii) *All questions carry equal marks.*

1. (a) Define/Explain the following : 10
- (i) Food security
 - (ii) Bitot's spots
 - (iii) Human Development
 - (iv) Sensitivity of a test
 - (v) Culture
- (b) List three signs/symptoms of the following : 8
- (i) Marasmic Kwashiorkor
 - (ii) Iodine deficiency disorders
 - (iii) Riboflavin deficiency
 - (iv) Fluorosis
- (c) List four organisations/systems involved with nutrition monitoring in India. 2

2. (a) Explain the concept of health economics. 10
Describe economic consequences of malnutrition.
- (b) Discuss the population trends and structure 10
in India. Explain the implications of population growth on Nutrition and Quality of Life.
3. Explain briefly the following : 5+5+5+5
- (a) Food behaviour.
- (b) Storage of food products.
- (c) Health service delivery system in India.
- (d) Supplementary feeding programmes.
4. (a) Give a detail account of the methods available for the prevention and control of : 4+4
- (i) Anaemia
- (ii) Vitamin A deficiency
- (b) What is the role of zinc in human body ? 8
Discuss the possible consequences of zinc deficiency.
- (c) How can we prevent : 2+2
- (i) Folic acid deficiency
- (ii) Vitamin D deficiency
5. (a) Explain different aspects of nutrition economics and their interactions. 12
- (b) Enumerate on the government spending on 8
major direct and indirect nutrition programmes.

6. (a) Elaborate on the techniques for conducting situational analysis. 10
- (b) Describe the various steps required to plan, implement and evaluate a public nutrition programme. 10
7. (a) Define nutrition education. Discuss the importance, challenges and the constraints of nutrition education. 8
- (b) What are the essential elements of a message design and what criteria will you use while choosing the media ? Explain giving appropriate examples. 8
- (c) What is social marketing ? 4
8. Write short notes on any four of the following :
- (a) Community participation. 5+5+5+5
- (b) Types of evaluation.
- (c) Principles of good governance and management.
- (d) Public Distribution System.
- (e) Nutrition Surveillance System.
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